

ABSTRACT

Techniques for managing multiple versions of relational database schema data are described. Schema data associated with multiple versions of a relational database are maintained according to a database schema version management structure. Laws of set theory are applied to the structured database schema data to identify data definition language (DDL) and data manipulation language (DML) scripts that are associated with a particular version of the relational database. The identified scripts are then copied into an installation file that can be executed to create a full install of the particular version of the relational database. Similarly, laws of set theory are applied to the structured database schema data to identify DDL scripts, DML scripts, and drop scripts that are to be applied to upgrade from one version of the relational database to a newer version of the relational database.